ABBREVIATIONS

FY 2019-20 STANDARD PLANS

Abbreviation	Meaning
A	
AASHTO	American Association Of State Highway And Transportation Officials
AC	Alternating Current
Accel.	Acceleration
ACI	American Concrete Institute
ADA	Americans With Disabilities Act
ADT	Average Daily Traffic
AFAD	Automated Flagger Assistance Device
AISC	American Institute Of Steel Construction
AISI	American Iron and Steel Institute
Alt.	Alternate
Alum.	Aluminum
ANSI	American National Standards Institute
AOS	Apparent Opening Size
APL	Approved Products List
App.	Approach
Approx.	Approximate
ARTBA	American Road & Transportation Builders Association
Asph.	Asphalt
Assem.	Assembly
ASTM	American Society For Testing And Materials
ATPB	Asphalt Treated Permeable Base
Auxil.	Auxiliary
AWG	American Wire Gauge
AWS	American Welding Society
B	
Bot.	Bottom
Brkwy.	Breakaway
b/w	Between
C	
CC, C to C	Center to Center
C & G	Curb And Gutter
C.C.	Crash Cushion
CCTV	Closed-Circuit Television
CFR	Code of Federal Regulations
CFRP	Carbon Fiber Reinforced Polymer
cfs, CFS	Cubic Feet Per Second
CIP, C.I.P. or C-I-P	Cast In Place
CJP	Complete Joint Penetration
Ckt.	Circuit
℄	Center Line
Cl.	Clearance
CMP	Corrugated Metal Pipe
Con.	Connection
Conc.	Concrete
Const.	Construct or Construction
Cont.	Continuation or Continuous
Corr.	Corrugated
Cov.	Cover

Abbreviation	Meaning
C	
CP	Concrete Pipe
CSIP	Cost Savings Initiative Proposal
CSL	Cross-hole Sonic Logging
CTPB	Cement Treated Permeable Base
Ctr., Ctrs.	Center
Cu. Ft.	Cubic Feet
Cu. Yd., CY,	Cubic Yard
D	
D	Depth, Distance or Diameter
Dia. or Ø	Diameter
Dbl.	Double
Decel.	Deceleration
Deg.	Degree
Dim.	Dimension
Dist.	Distance
E	
e	Superelevation Rate
E.P. or EOP	Edge Of Pavement
EA or Ea.	Each
EIA	Electronic Industries Alliance
El. or Elev.	Elevation
Embed.	Embedment
EPDM	Ethylene Propylene Diene Monomer
Eq.	Equation or Equal
Equip.	Equipment
etc.	Et Cetera (And So Forth)
ETP	Electronic Tough Pitch
Ex.	Example
Exist.	Existing
Exp.	Expansion
Ext.	Extension
F	
FAC	Florida Administrative Code
FC	Friction Course
Fdn.	Foundation
F.L. or ℄	Flow Line
Fl.	Florida
FDEP	Florida Department Of Environmental Protection
FDOT	Florida Department Of Transportation
FHWA	Federal Highway Administration
FIB	Florida-I Beam
F.S.	Florida Statutes
FS	Far Side
Ft.	Foot or Feet
FTP	Florida Traffic Plans

Abbreviation	Meaning
G	
G	Shear Modulus
g	Gram
Ga.	Gauge or Gage
Galv.	Galvanized
GFI	Ground Fault Interrupter
GFRP	Glass Fiber Reinforced Polymer
Grd.	Ground
H	
Hd.	Head
H.S., HS	High Strength
HDPE	High Density Polyethylene
Horiz.	Horizontal
HP	Horsepower or H-Pile
HSHV	High Strength Horizontal Vertical
I	
ID, I.D.	Inside Diameter or Identification
in.	Inch(es)
Inc.	Incorporated
Int.	Interior
Inv.	Invert
ITS	Intelligent Transportation Systems
J	
JCT	Junction
Jt.	Joint
K	
k	kip
kip	1000 Pounds
ksi	Kips Per Square Inch
kVA	Kilovolt Ampere
L	
L	Length
LA	Limited Access
lb or lbs.	Pound(s)
lb/sy	Pounds Per Square Yard
lbf	Pound force
LBR	Lime rock Bearing Ratio
LF	Linear Foot (Feet)
Lgth.	Length
Long.	Longitudinally or Longitudinal
LRFD	Load Resistance Factor Design
LRS	Low-Relaxation Strand
LS	Lump Sum
LSD	Lump Sum per Day
Lt.	Left

ABBREVIATIONS

FY 2019-20 STANDARD PLANS

Abbreviation	Meaning
M	
m	Meter
m²	Meter Square
Mach.	Machine
MAS	Motorist Awareness System
MASH	Manual for Assessing Safety Hardware (AASHTO)
Max.	Maximum
MES	Mitered End Section
M.H.	Manhole or Mounting Height
MHW	Mean High Water
Mid.	Middle
Mil or Mils	One-Thousandth Of An Inch
Min.	Minimum or Minute
Misc.	Miscellaneous
MLW	Mean Low Water
mm	Millimeter
Mod.	Modification
MOT	Maintenance Of Traffic
MPH or mph	Miles Per Hour
MUTCD	Manual On Uniform Traffic Control Devices
N	
N	Standard Penetration Number
NA or N/A	Not Available or Not Applicable
NC	Normal Crown
NCHRP	National Cooperative Highway Research Program
NDCBU	Neighborhood Delivery And Collection Box Unit
NEMA	National Electrical Manufacturers Association
NHW	Normal High Water
No.	Number
Nom.	Nominal
NPS	Nominal Pipe Size
NPT	National Pipe Thread
NS or N.S.	Near Side
NS	Non-Structural
NTS	Not To Scale
O	
O.C.	On Center
O to O or O.O.	Out to Out
O.B.G.	Optional Base Group
OD or O.D.	Outside Diameter
Oz.	Ounce
P	
Pavt.	Pavement
PBR	Pedestrian/Bicycle Railing
PC	Point Of Curvature
PCC	Plain Cement Concrete
pcf	Pounds per Cubic Foot
PCMS	Portable Changeable Message Sign
P.E. or PE	Professional Engineer
Pen.	Penetration
PPB	Pier Protection Barrier
PPP	Polypropylene pipe
Prest.	Prestressed
PRS	Portable Regulatory Sign
psf	Pounds Per Square Foot
PSI or psi	Pounds Per Square Inch
PT	Point of Tangency or Pressure Treated
PTFE	Polytetrafluoroethylene
PVC	Polyvinyl Chloride
Q	
Q	Flow Volume
Qty.	Quantity
R	
R or Rad.	Radius
Rt.	Right
R/W	Right Of Way
RC	Reverse Crown
RCP	Reinforced Concrete Pipe
Rd.	Road or Round
Rdwy.	Roadway
Rect.	Reticuline or Rectangular
Ref.	Reference
Reinf.	Reinforced or Reinforcement
Req. or Reqd.	Required
RGS	Rigid Galvanized Steel
RPM	Raised Pavement Markers
R/R or RR	Railroad
RSDU	Radar Speed Display Unit
RU	Rack Unit
RX	Receive
S	
S or s	Speed, Spacing or Second
Sch.	Schedule
SHBR	Special Height Bicycle Railing
Shldr.	Shoulder
SHW	Seasonal High Water
SIP	Stay In Place
SP	Superpave
Spa., Spcg. or Sp.	Space(ing)(s)
Spec.	Specification
sq	Square
Sq. Ft., SF, sf or S.F.	Square Foot
sq. in.	Square Inch
Sq. Yd., SY or S.Y.	Square Yard
SR	State Road
SS	Stainless Steel
St. or ST.	Street
Sta.	Station
Std.	Standard
Stg.	Strong
Stl.	Steel
SW	Skewed Angle
Swk.	Sidewalk
SYM	Symmetrical
T	
T or t	Thickness, Tangent Distance or Time
Tan	Tangent
T&G	Tongue and Groove
TCP	Traffic Control Plan(s)
TCZ	Traffic Control Zone
Temp.	Temperature or Temporary
Theo.	Theoretical
THW or THWN	Insulation (Flame Retardant, Moisture And Heat Resistant Thermoplastic)
TMA	Truck/Trailer Mounted Attenuator
TN	Ton
Trans.	Transition or Transverse
TTC	Temporary Traffic Control
TVSS	Transient Voltage Surge Suppression
TX	Transmit
Typ.	Typical
U	
UL	Underwriters Laboratories
UPS	Uninterruptible Power Supply
USPS	United States Postal Service
Util.	Utilities
UV	Ultraviolet
V	
Veh.	Vehicle
Vert.	Vertical
VPD or Vpd.	Vehicles Per Day
W	
W	Width or Wide
WT	Weight
WWF	Welded Wire Fabric
WWM	Welded Wire Mesh
WWR	Welded Wire Reinforcing
Y	
Yd.	Yard
Yr.	Year